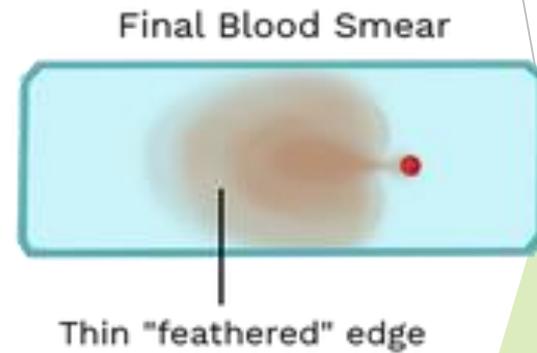
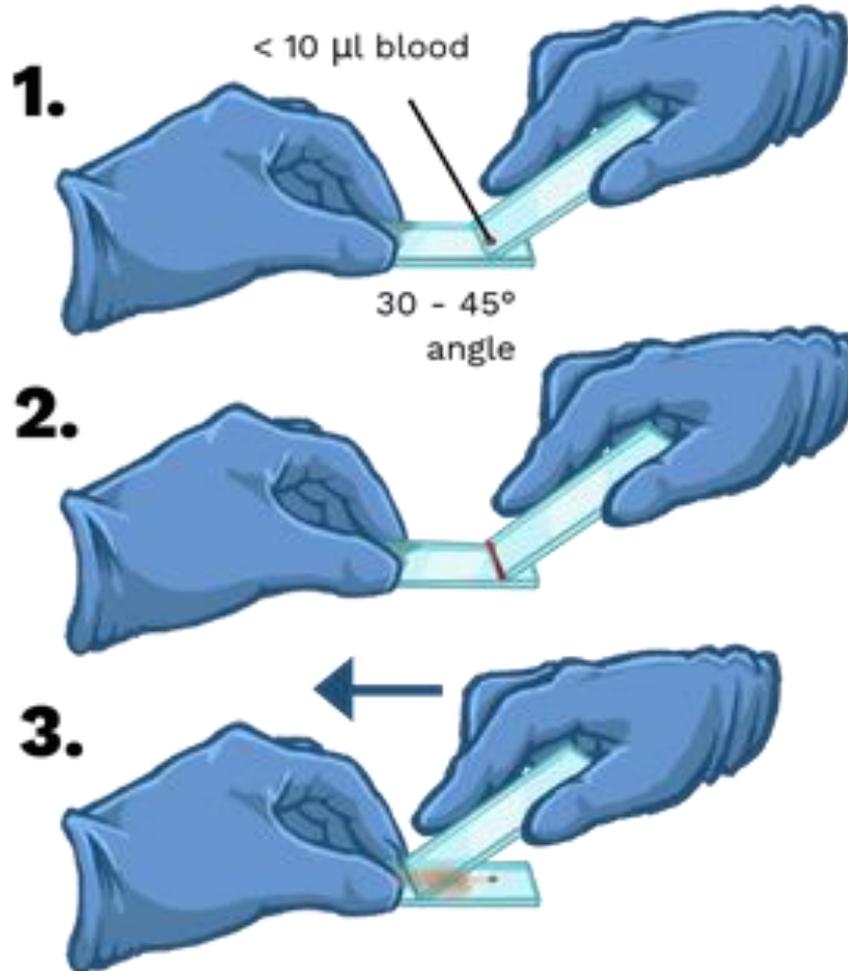


BLOOD

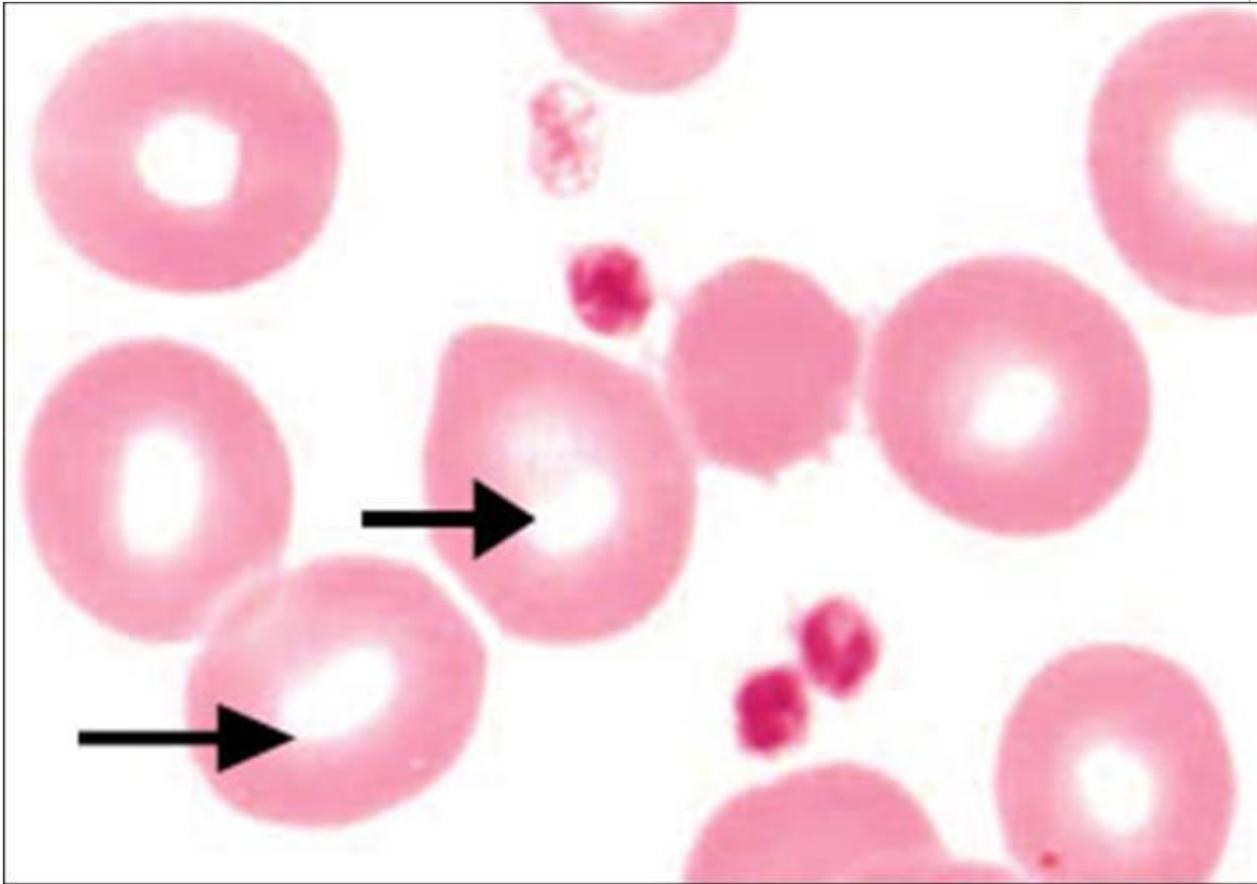
(Lab)

▶ DR. Heba Hassan

Blood smear (Leishman stain)

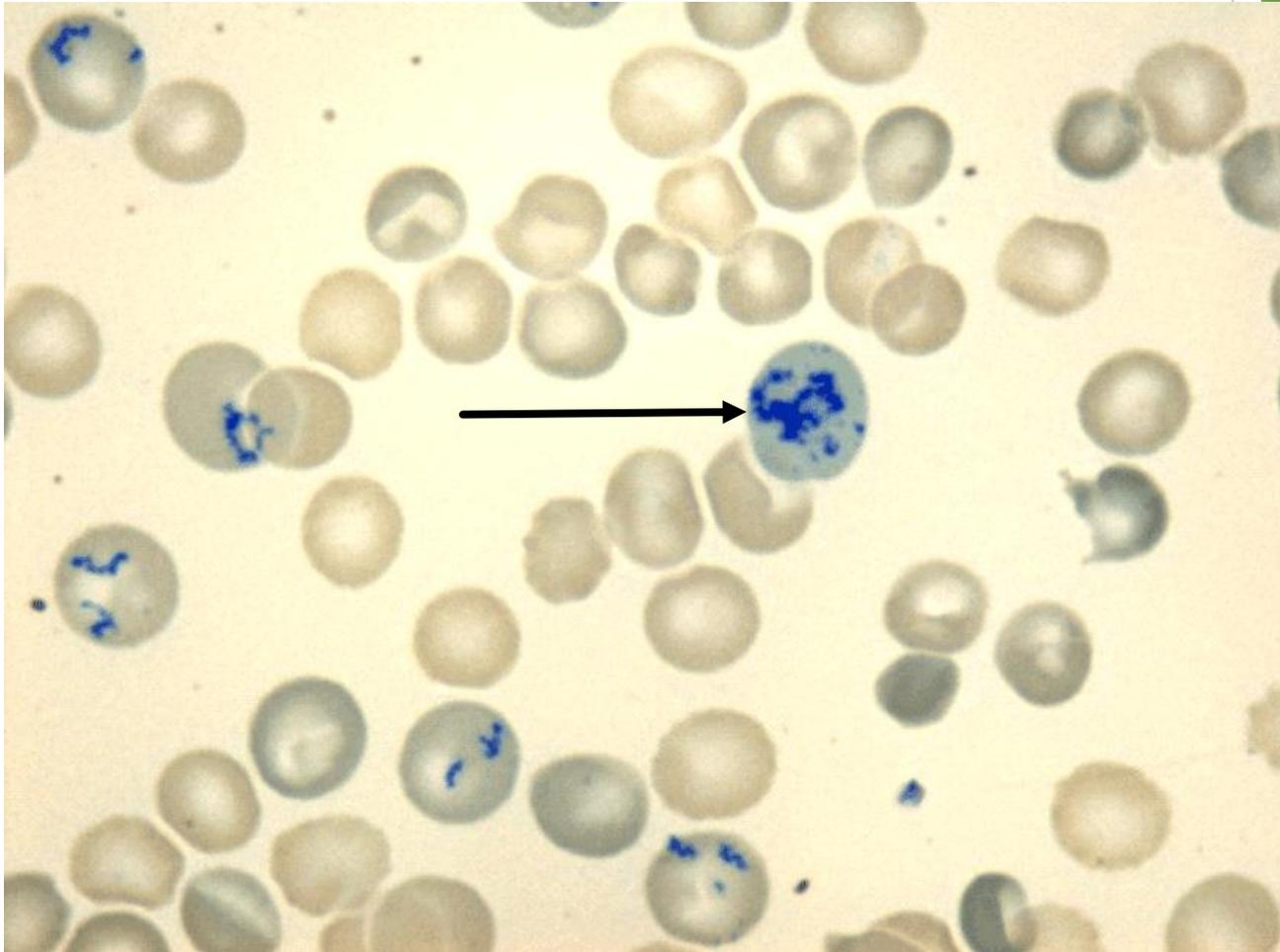


Red Blood Cells (RBCS)

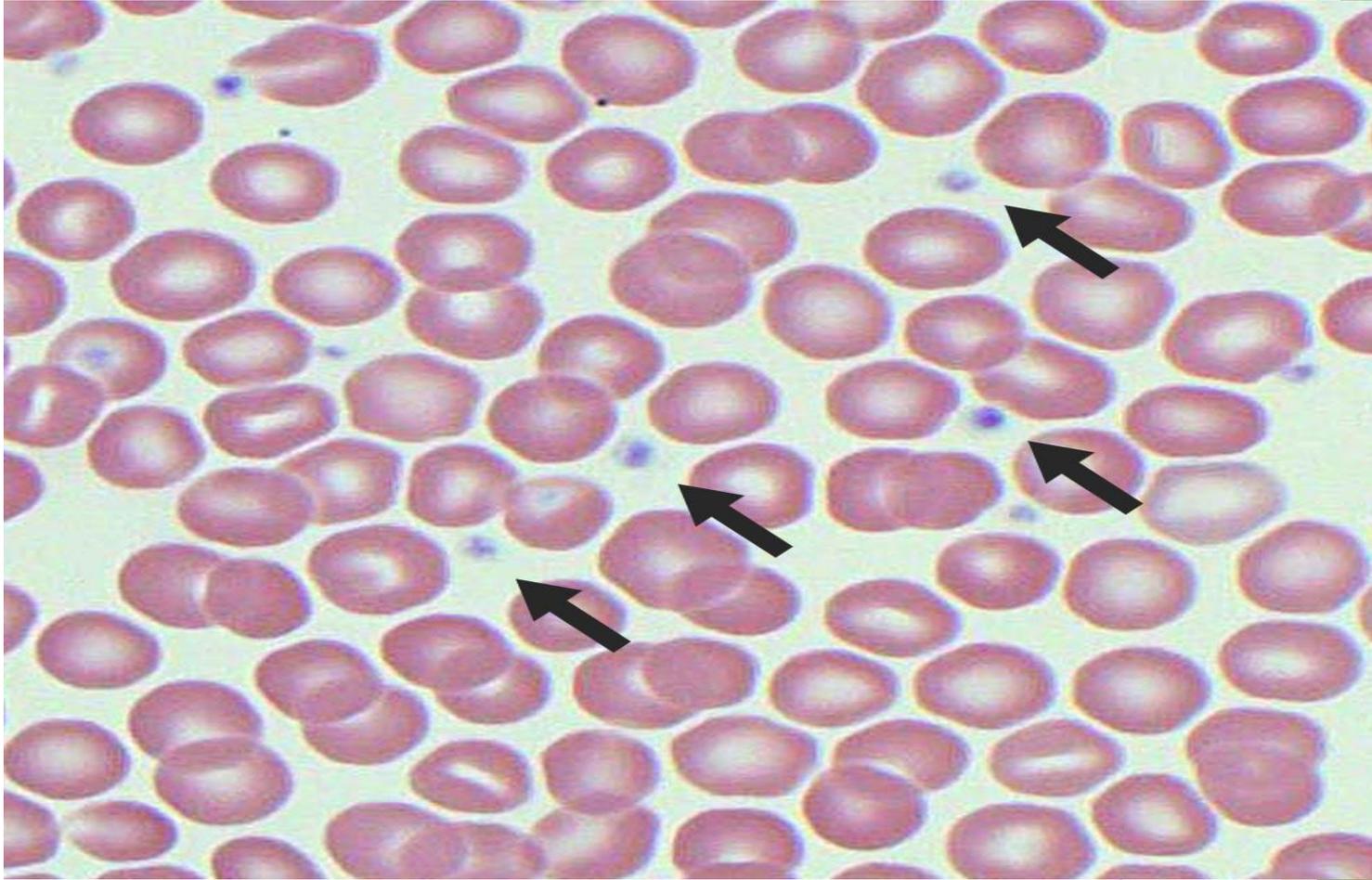


- ▶ ***RBCs that display rounded biconcave discs.***

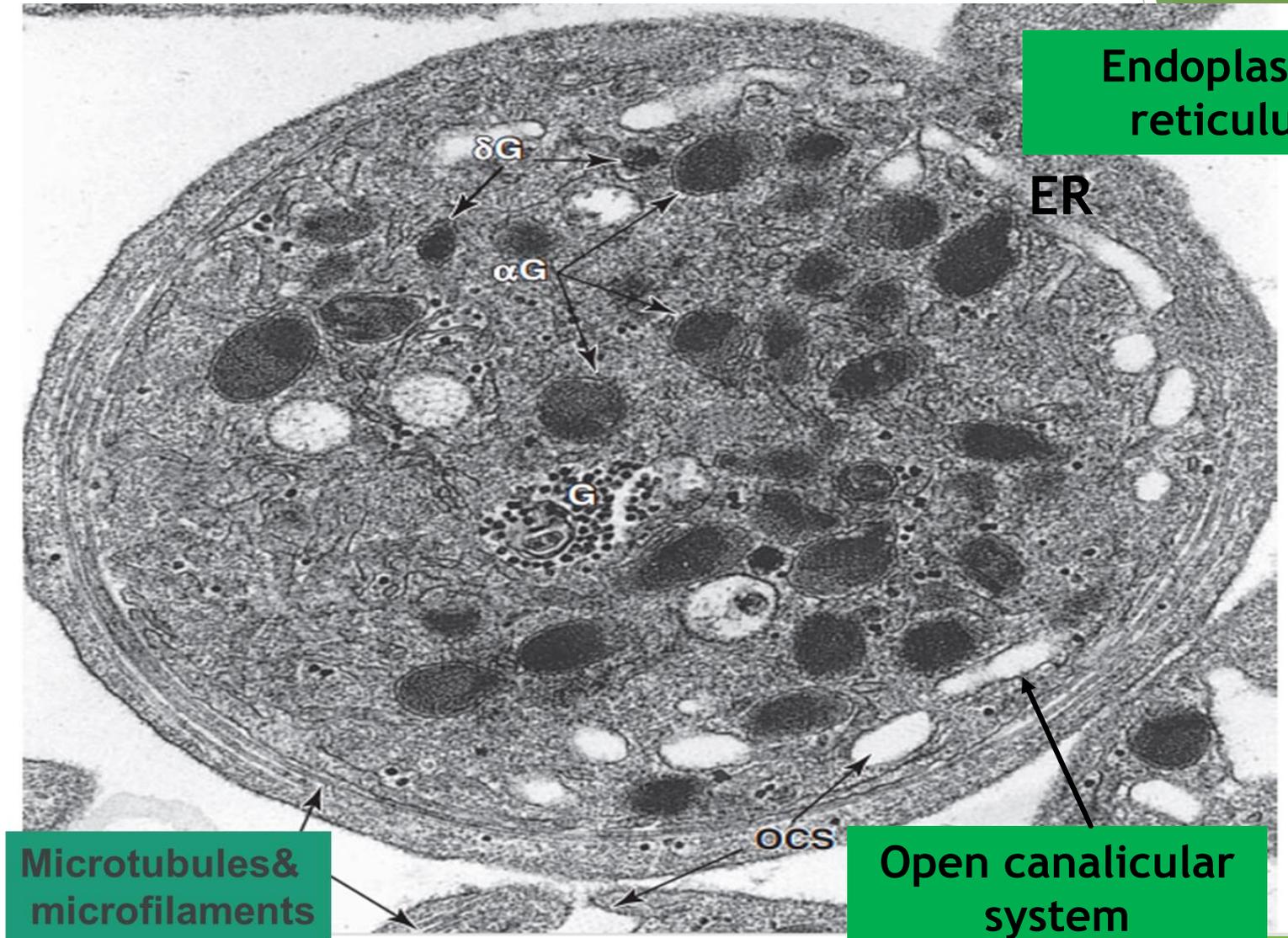
Reticulocyte (brilliant cresyl blue)



Platelets



EM of Platelets



Endoplasmic reticulum

ER

δG

αG

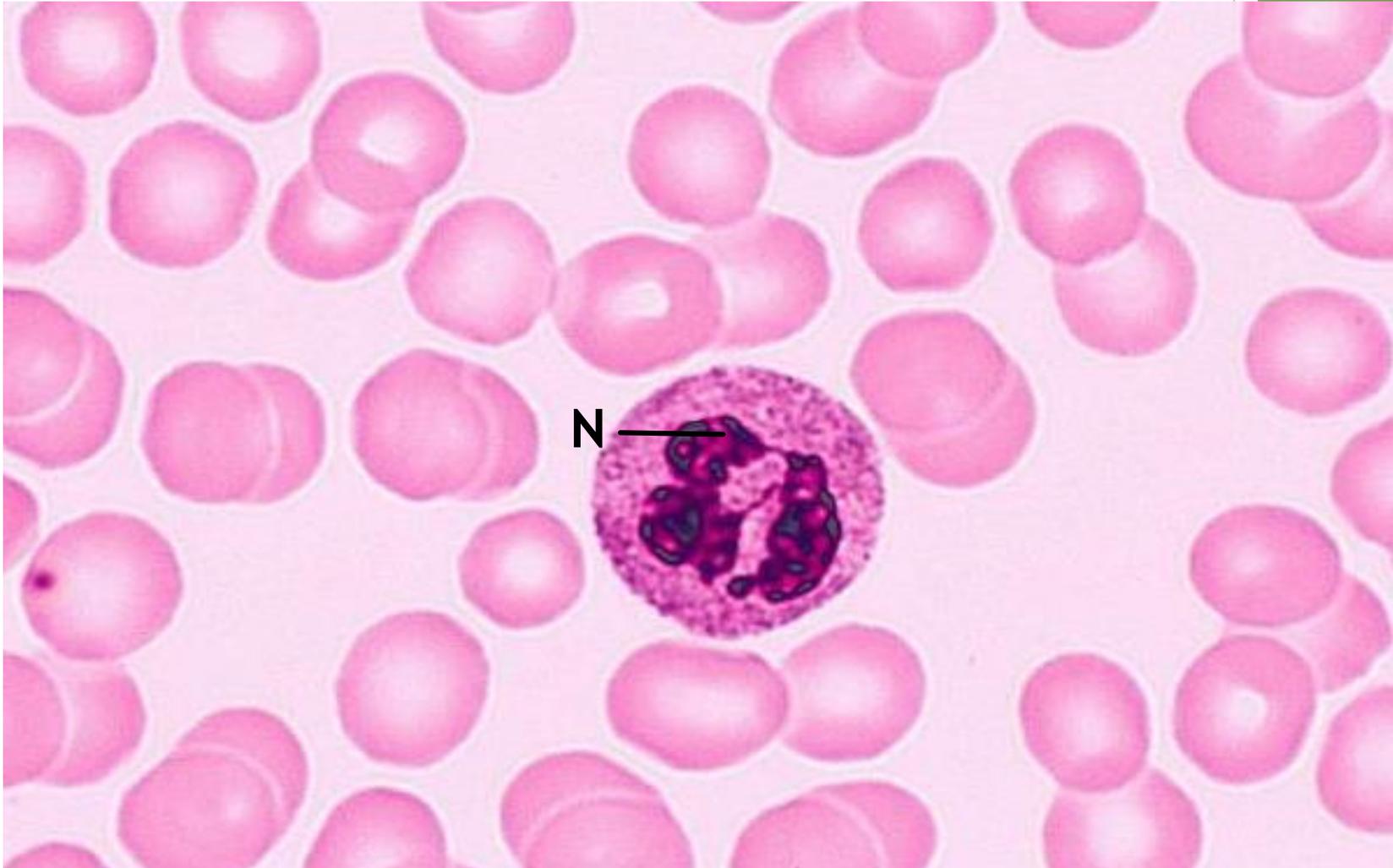
G

OCS

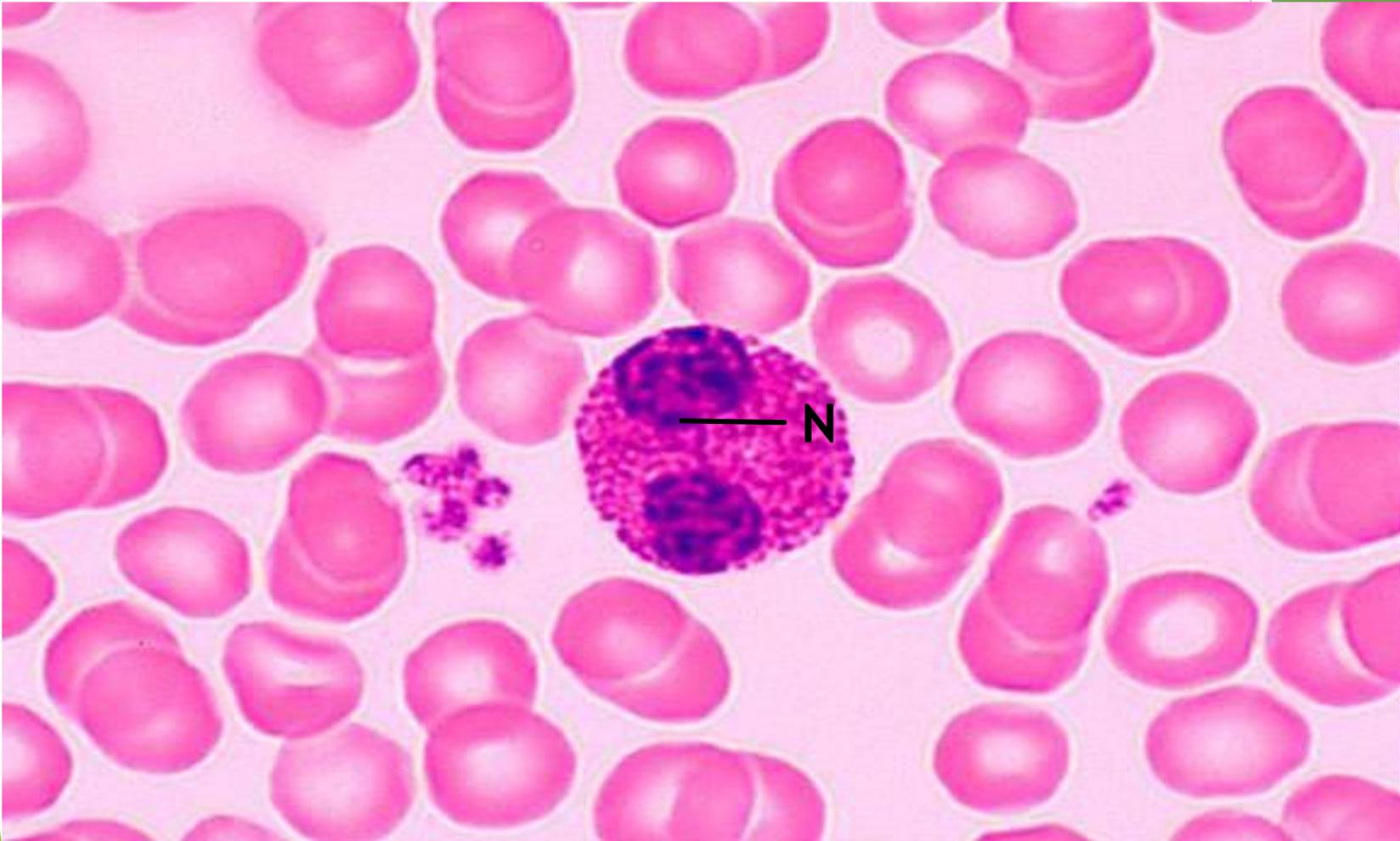
Microtubules & microfilaments

Open canalicular system

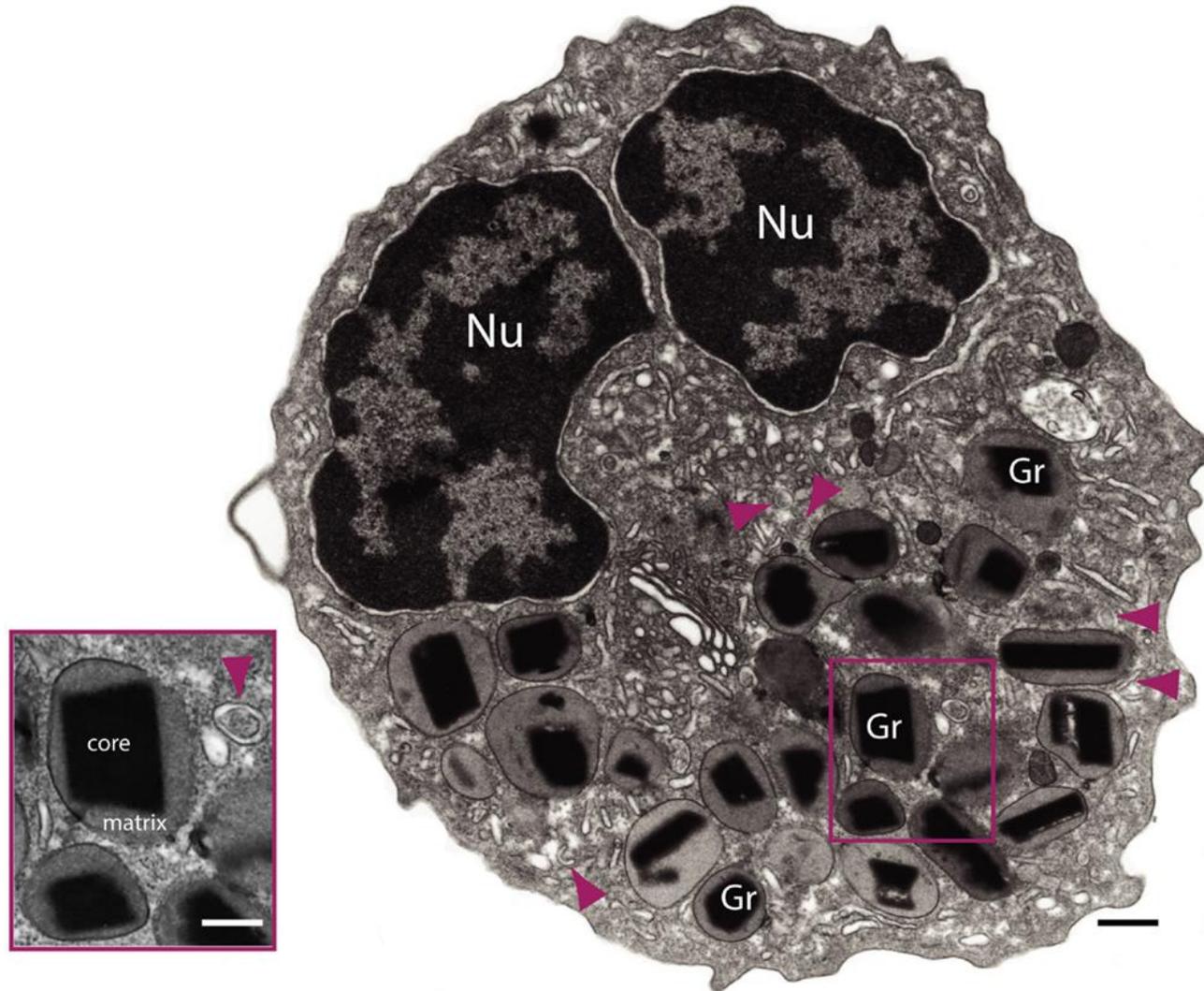
1- **Neutrophils** with segmented nucleus (N) and neutrophilic granules.



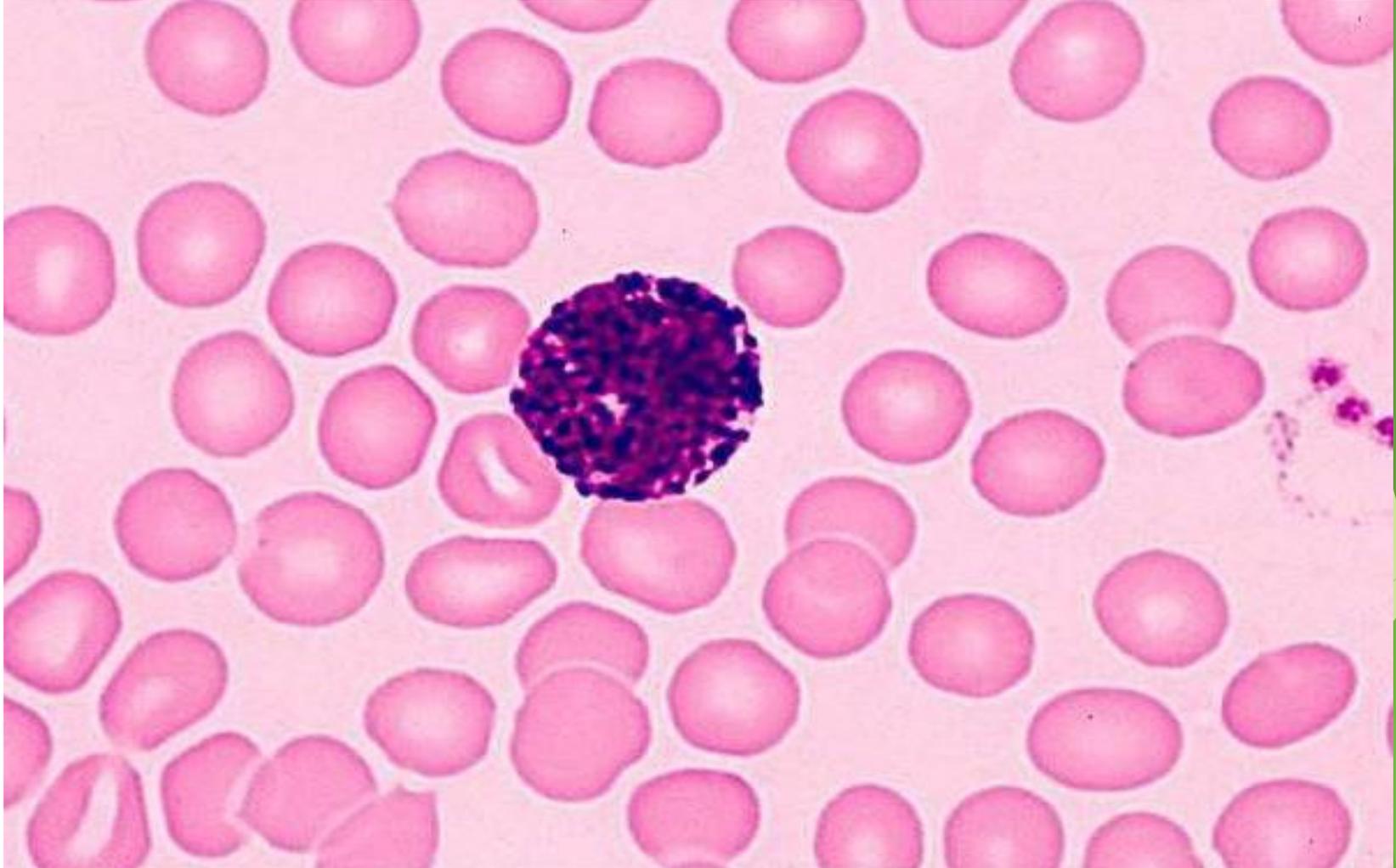
2- **Eosinophils** with horse-shoe shaped nucleus (N) and eosinophilic granules.



EM of Eosinophils

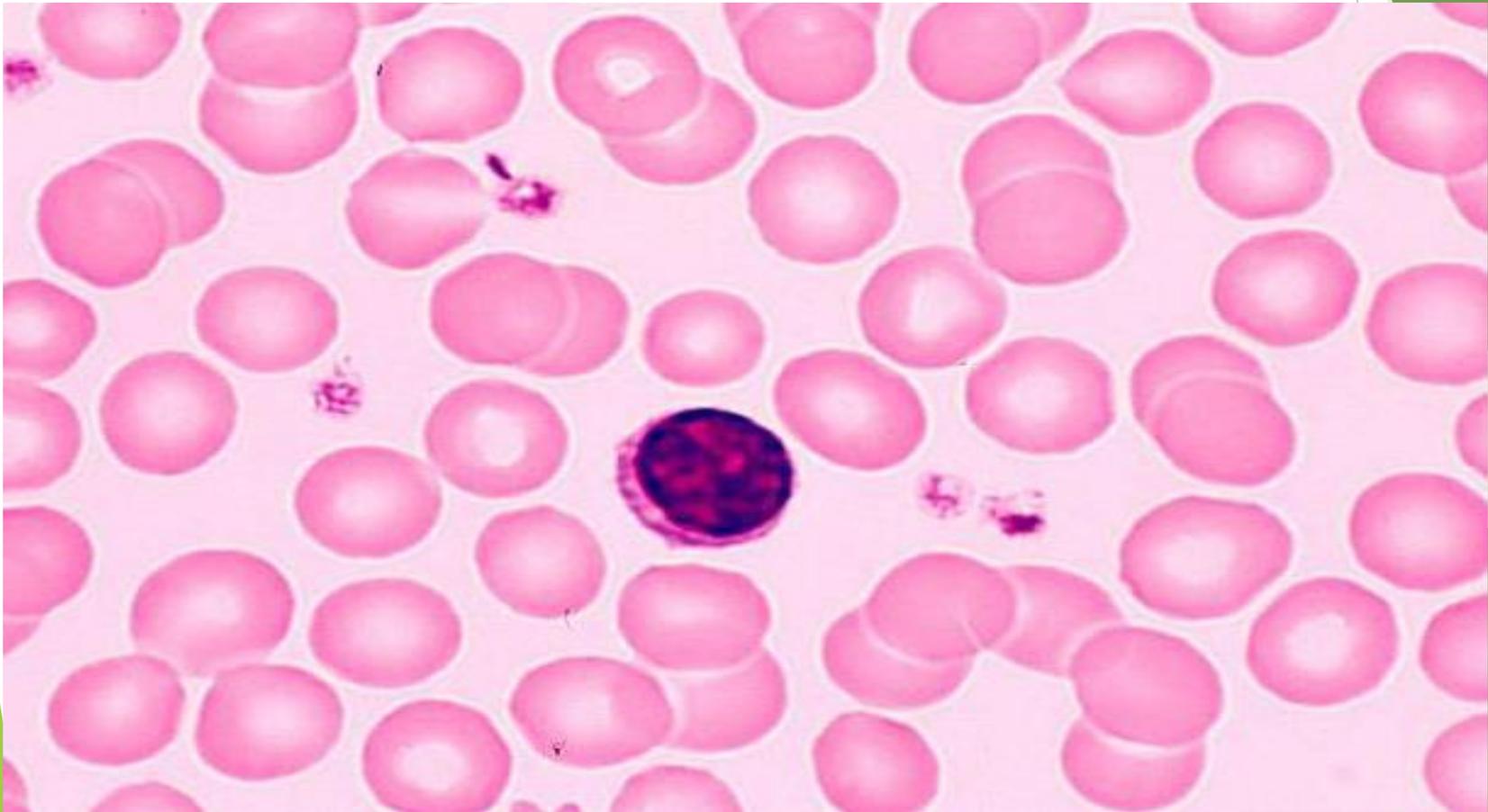


3- **Basophils** with U or S shaped nucleus and basophilic granules.



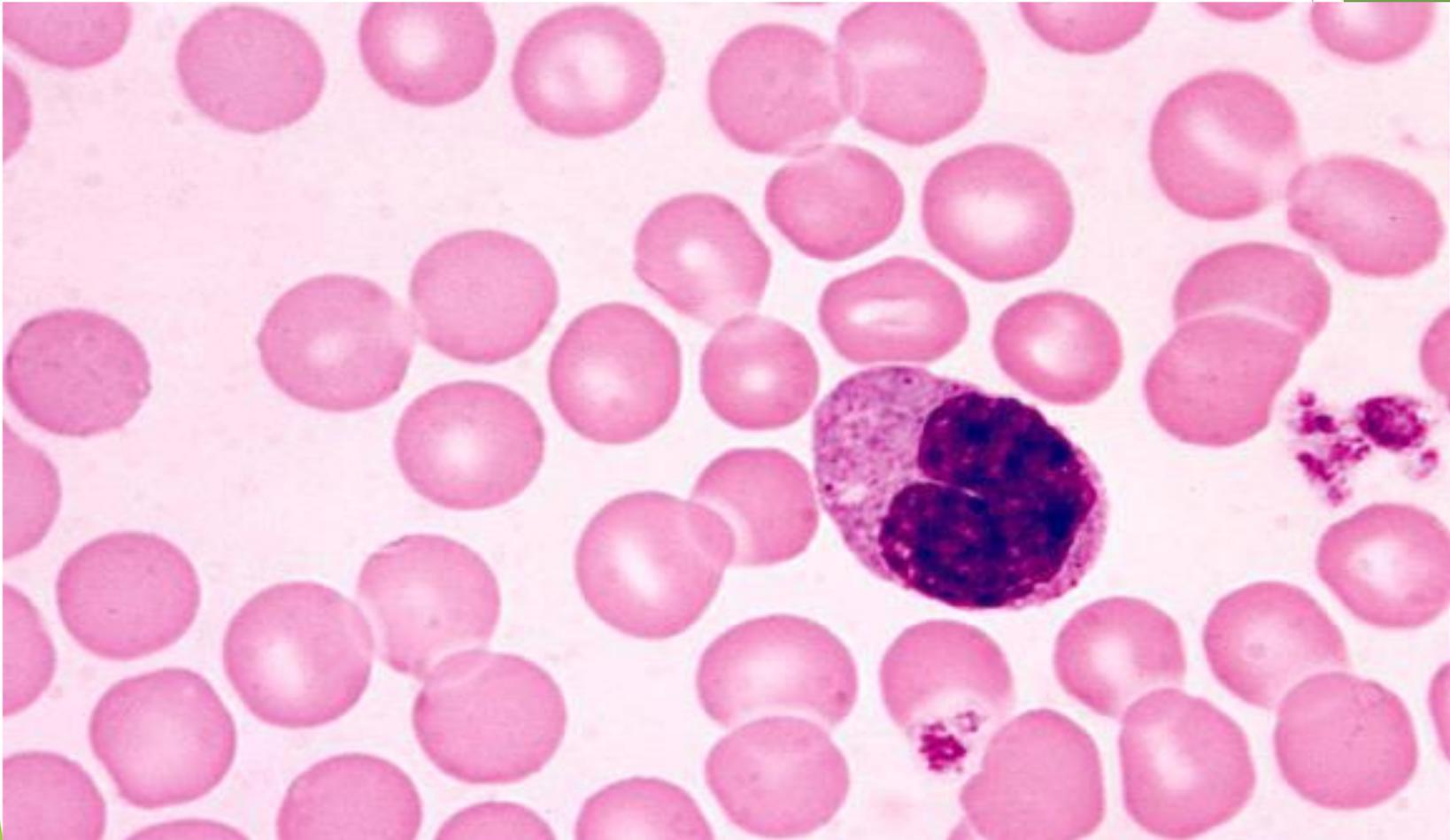
Agranulocytes

1- **Lymphocytes:** with large nucleus and basophilic thin rim of cytoplasm.



Agranulocytes

2- **Monocytes:** with kidney-shaped eccentric nucleus and pale basophilic cytoplasm.



GOOD LUCK

&

THANK YOU